

09/812,057

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Amendments to the Specification

Please replace the paragraph at page 24, line 25 through page 25, line 7 with the following amended paragraph:

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There are some similarities with DTMF and MF-R1 detection techniques in some recent designs described in co-pending U.S. Patent Application No. 09/696,730 filed October 25, 2000 by Tanrikulu et al. Tanrikulu et al., entitled "Method and Apparatus for Performing High Density DTMF, MF-R1, MF-R2 Detection", incorporated herein by reference in its entirety. The designs in Tanrikulu et al. Tanrikulu et al do not focus on the preclassifier 705, and, also, the designs are isolated implementations of DTMF and MF-R1 detection. Therefore, in the DTMF case, previous designs were mainly directed to utilizing eight notch filters, instead of the two notch filters and preclassifier 705 as in the present invention. Similarly, the previous MF-R1 detector designs utilize six notch filters, whereas the current implementation of the signal classifier uses only two notch filters and a preclassifier in Subband 1, if required.